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This index covers all technical items — papers, correspondence, reviews, etc. — that appeared in this periodical during 1994, and items from previous years that were commented upon or corrected in 1994.

The Author Index contains the primary entry for each item, listed under the first author's name, and cross-references from all coauthors. The Subject Index contains several entries for each item under appropriate subject headings, and subject cross-references.

It is always necessary to refer to the primary entry in the Author Index for the exact title, coauthors, and comments/corrections.

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INFORMATION FOR AUTHORS

Content

The IEEE TRANSACTIONS ON SEMICONDUCTOR MANUFACTURING is published quarterly with the first issue in February. Contributed papers may be of a tutorial or research nature, but the latter must be original and must not duplicate descriptions or derivations available elsewhere.

This TRANSACTIONS aims to address the challenging problems of manufacturing complex microelectronic compo nents, especially very large scale integrated circuits (VLSI), but also thin-film heads for magnetic recording, integrated optical components, and other similar products. Manufacturing these products typically requires precision micropat terning, precision control of materials properties, ultra-clean work environments, and complex interactions of chemical, physical, electrical, and mechanical processes. An integrated application of interdisciplinary skills is essential for success.

Particularly sought for these TRANSACTIONS are original papers describing practical engineering techniques for solving problems involving interactions among facility, equipment, process, product, and people issues in the context of manufacturing. The TRANSACTIONS' spectrum of coverage will range from fundamental to applied. Whenever possible papers should include appropriate results from manufacturing experience. Submission of a manuscript manifests the fact that it has been neither copyrighted, published, nor submitted or accepted for publication elsewhere, unless otherwise so stated by the author.

Length

Authors should document their work in relation to the open literature. The following limits on length will be enforced.

1) Regular papers, 7 to 20 double-spaced pages in length, plus up to 10 pages, 8.5" by 11" of figures.
2) Correspondence items of less than 6 double-spaced pages, plus not more than 3 pages of figures.

Style for Manuscripts

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2) Provide a carefully worded abstract of from 100 to 200 words for papers and less than 50 words for correspon dence. Name, address, and telephone number of author(s) should appear with abstract.
3) A pamphlet, "Information for IEEE Transactions and Journal Authors," is available on request from the IEEE Operations Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855–1331.
4) References may appear as numbered footnotes or in a separate bibliography at the end of the paper. In either case, references should be complete and in IEEE style.

   Style for papers: Author (with initials first), title, journal title, volume number, inclusive page numbers, month, year.

   Style for books: Author, title, location, publisher, year, page or chapter number (if desired). See this issue for further examples.
5) Figure captions should be on a separate sheet in proper style for typesetting. See this issue for examples.
6) Departures from the above style may delay publication.

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Review Process

The review process usually requires about two months. The author is then notified of the decision of the Editor or Associate Editor based on reviewer recommendations. The authors may be asked to modify the manuscript if it is not accepted or rejected in its original form. The elapsed time between final acceptance of a manuscript and publication is usually four to eight months.

Submissions

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